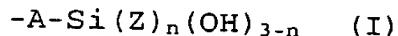


What is claimed is:

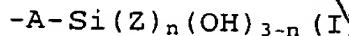
Seb Bl 2
T. 5
A polymer dispersion comprising water and at least 60% by weight of an organic polymer containing at least one group of the general formula I



10 in which A is CH_2 or is a linear or branched, saturated or unsaturated alkylene radical having from 2 to about 12 carbon atoms or is an arylene radical having from about 6 to about 18 carbon atoms or an arylenealkylene radical having from about 7 to about 19 carbon atoms Z is CH_3 , $O-CH_3$ or is a linear or branched, saturated or unsaturated alkyl radical or alkoxy radical having from 2 to about 12 carbon atoms, and n is 0, 1 or 2, or a condensation product of at least two such groups.

20 *NCO prepolymer² in H_2O*
epoxysilane + amine in H_2O
25 The polymer dispersion as claimed in claim 1, characterized in that the organic polymer used comprises a polymer selected from the group consisting of polyurethanes, polyesters, polymides, polyethers, polyacrylates, polymethacrylates, polystyrene, polybutadiene, polyethylene, polyvinyl esters, ethylene/α-olefin copolymers, styrene/butadiene copolymers and ethylene/vinyl acetate copolymers, or a mixture of two or more thereof.

30
35 3. A polymer dispersion comprising water, at least one first organic polymer which is free from ionic groups and contains at least one group of the general formula I



in which A is CH_2 or a linear or branched, saturated or unsaturated alkylene radical having from 2 to about 12 C atoms or is an arylene radical having from about 6 to about 18 C atoms or an arylenealkylene radical having from about 7 to about 19 C atoms, Z is CH_3 , $\text{O}-\text{CH}_3$ or is a linear or branched, saturated or unsaturated alkyl radical or alkoxy radical having from 2 to about 12 C atoms, and n is 0, 1 or 2, or a condensation product of at least two such groups, and a further organic polymer or a mixture of two or more further organic polymers.

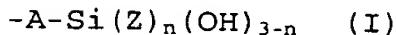
4. The polymer dispersion as claimed in claim 3, characterized in that the first organic polymer used comprises a polymer selected from the group consisting of polyurethanes, polyesters, polyamides, polyethers, polyacrylates, polymethacrylates, polystyrene, polybutadienes, polyethylene, polyvinyl esters, ethylene/ α -olefin copolymers, styrene/butadiene copolymers or ethylene/vinyl acetate copolymers.

5. The polymer dispersion as claimed in claim 3 or 4, characterized in that the further organic polymer or mixture of two or more further organic polymers present comprises a polymer selected from the group consisting of polyurethanes, polyamides, polyethers, polyesters, polyvinyl esters, polyacrylates, polymethacrylates or styrene/butadiene copolymers or a mixture of two or more of said polymers.

6. The polymer dispersion as claimed in any of claims 3 to 5, characterized in that the fraction of organic polymers is at least 60% by weight.

7. A process for preparing a polymer dispersion as claimed in any of claims 1 to 6, characterized in

that at least one organic polymer containing at least one group of the general formula I



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in which A is CH_2 or a linear or branched, saturated or unsaturated alkylene radical having from 2 to about 12 C atoms or is an arylene radical having from about 6 to about 18 C atoms or an arylenealkylene radical having from about 7 to about 19 C atoms, Z is CH_3 , $O-CH_3$ or is a linear or branched, saturated or unsaturated alkyl radical or alkoxy radical having from 2 to about 12 C atoms, and n is 0, 1 or 2, or a condensation product of at least two such groups, is dispersed in water, during or after its preparation, together if desired with further organic polymers.

8. An adhesive prepared using a polymer dispersion as claimed in any of claims 1 to 6 or a polymer dispersion prepared as claimed in claim 7.

9. A surface coating composition prepared using a polymer dispersion as claimed in any of claims 1 to 6 or a polymer dispersion prepared as claimed in claim 7.

10. A sealing compound prepared using a polymer dispersion as claimed in any of claims 1 to 6 or a polymer dispersion prepared as claimed in claim 7.

11. The use of a polymer dispersion as claimed in any of claims 1 to 6 or of a polymer dispersion prepared as claimed in claim 7 as an adhesive, sealing compound, surface coating composition, filling compound, or to produce moldings.

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